

A
CALENDAR
OF
FLORA,
COMPOSED DURING THE YEAR
1809,
at
Warrington,
Lat. 53°. 30'.

BY GEORGE CROSFIELD,
SECRETARY
TO THE BOTANICAL SOCIETY OF WARRINGTON.

These, as they change, ALMIGHTY FATHER, these,
Are but the varied God. The rolling year
Is full of Thee.-----

Mysterious round ! what skill, what force divine,
Deep felt, in these appear ! a simple train,
Yet so delightful mix'd, with such kind art,
Such beauty and beneficence combin'd ;
Shade, unperceiv'd, so softening into shade ;
And all so forming an harmonious whole ;
That, as they still succeed, they ravish still.

THOMSON.

WARRINGTON :
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1810.

P R E F A C E.

SINCE the science of Botany became a branch of study, considered at once useful and instructive, it has been deemed of some importance to point out the different vegetable productions of particular districts. Some very respectable Botanists have likewise expressed a wish that the periods of inflorescence in different seasons and in different latitudes should be marked down with accuracy. To unite these two plans, *at the least possible expence*, is my design in the following pages, which contain a list of upwards of eight hundred British Plants, comprized in the twenty-three first Classes of the Linnean system, growing, either wild or in a cultivated state, in the neighbourhood of Warrington, and arranged according to their earliest periods of inflorescence during the year 1809. It would, I am aware, have added much to its value, to have been accompanied by an accurate meteorological journal; but such an undertaking would have occupied more time than was consistent with my commercial avocations. It may not however be amiss to say, that, with the exception of a few warm days early in the 3d Month, (March.) the Spring was delayed later than usual by constant easterly winds, vegetation being kept back until the third of the 5th Month, (May.). From this time until the beginning of the following month the progress of vegetation was very rapid. The latter end of Summer was attended with much rain.

In compiling the following *Calendar of Flora*, I have not only depended on my own personal observation, but have availed myself of the advantages afforded by my situation as

Secretary to a provincial Botanical Society, to some of the members of which I acknowledge myself under considerable obligation for their ready assistance.

With a few exceptions, no plant has been admitted into the following list, which is not ranked as indigenous in the very excellent *Flora Britannica* of Dr. Smith. Where the rule is departed from, the authority for it is specified.

An asterisk has been prefixed to all those plants, which, although indigenous, are only found, *in this neighbourhood*, in a state of cultivation. A few, observed in the more western, and northern parts of this county, are distinguished by a dagger.

The notes will not I trust, be deemed superfluous. For those marked *K*, I am indebted to my esteemed friend James Kendrick, M. D. F. L. S. President of the Botanical Society of Warrington.

The town of Warrington is situated at the southern extremity of the county of Lancaster, the river Mersey dividing it from that of Chester. The broad estuary of this River commences about six miles westward. In its immediate vicinity, is a large quantity of rich meadow land, formed principally of alluvial soil. A large extent of peat moss commences about two miles eastward of the town. The only high ground in its neighbourhood is a hill about two miles to the south, formed of red sand stone, covered with a stratum of sandy soil.

In every instance I have adopted the nomenclature of Dr. Smith: where he has differed from Linnæus, or where subsequent writers have differed from him *their* synonyms are also given.

GEORGE CROSFIELD.

WARRINGTON,
1st of 1st Month, 1810.

A CALENDAR, &c.

FIRST MONTH (*January*).

14. ULEX *europæus*. Common Furze.
16. BELLIS *perennis*. Common Daisy. (1)

SECOND MONTH (*February*).

2. * HELLEBORUS *fatidus*. Stinking Hellebore.
12. SENECIO *vulgaris*. Groundsel.
14. GALANTHUS *nivalis*. Snowdrop.
* CROCUS *vernus*. Spring Crocus.
VINCA *minor*. Lesser Periwinkle.
26. DAPHNE *Mezereum*. Mezereon.

THIRD MONTH (*March*).

2. LAMIUM *purpureum*. Red Archangel.
7. β VIOLA *odorata*. Sweet Violet.
10. PRIMULA *vulgaris*. }
γ PRIMULA *veris*. Linn. } Primrose. ,
11. TUSSILAGO *Farfara*. Colts-foot.
----- Petasites. Common Butter-bur.

(1) Sometimes proliferous.

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11. LEONTODON *Taraxacum*. Common Dandelion. (2)
 STELLARIA *media*.
 ALSINE *media*. Linn. } Common Chickweed.
12. * SCILLA *bifolia*. Two-leaved Squill.
 RANUNCULUS *Ficaria*. Pilewort. (3)
 BETULA *Alnus*.
 ALNUS *glutinosa*. Willdenow. } Common Alder.
 CORYLUS *Avellana*. Hasel-nut-tree.
 POPULUS *alba*. Great White Poplar.
13. ULMUS *campestris*.
 ULMUS *suberosa*. Willd. } Common Elm-tree.
14. FRAGARIA *sterilis*. Barren Strawberry.
 SALICIS *species varia*. Various kinds of Willow. (4)
16. POA *annua*. Annual Meadow-grass.
 DRABA *verna*. Common Whitlow-grass.
19. * PULMONARIA *officinalis*. Common Lung-wort.
23. α VIOLA *odorata*. Sweet Violet.
 NARCISSUS *Pseudo-narcissus*. Common Daffodil.
 DAPHNE *Laureola*. Spurge-Laurel.
 CARDAMINE *hirsuta*. Hairy Ladies-Smock.
25. VERONICA *verna*. Vernal Speedwell.
 OXALIS *Acetosella*. Common Wood-Sorrel.
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(2) Whether this plant possesses the deobstruent properties attributed to it by some authors of reputation may be doubted. Its diuretic effects are in some instances considerable. Its vulgar name, in more than one language, implies a knowledge of its powers. K.

(3) It may not be amiss to state that this termination so common in the names of British plants, is derived from the Saxon *Wyr*, a herb or plant, and implies that the plant so denominated, has been supposed to possess some specific power of curing the disease of a particular organ, e. g. Lungwort, Liverwort, &c. &c. K.

(4) The bark of all the species of *Salix*, containing a considerable portion of Tannin, is useful in the art of tanning leather. With regard to its medical properties, it may suffice to say, that it is by no means a despicable tonic, though experience and analysis prove it an improper substitute for the Bark of the *CINCHONA lancifolia* (Peruvian Bark). K.

25. *ULMUS montana*.
ULMUS campestris. Willd. } Broad-leaved Elm-tree.
26. β *VIOLA tricolor*. Pansy Violet.
ADOXA Moschatellina. Tuberous Moschatel.
ANEMONE nemorosa. Wood Anemone.
THLASPI arvense. Smooth Mithridate Mustard.
MERCURIALIS perennis. Perennial Mercury.
27. * *SCILLA verna*. Vernal Squill.
JUNCUS pilosus. Hairy Rush.
RIBES Grossularia. Rough Gooseberry.
LAMIUM album. White Archangel.
COCHLEARIA officinalis. Common Scurvy-grass.
POPULUS tremula. Aspen.
----- *nigra*. Black Poplar.
TAXUS baccata. Yew Tree.
28. *MONTIA fontana*. Water Chickweed.
PRIMULA elatior.
 β *PRIMULA veris*. Linn. } Oxlip.
CHRYSOPLENIUM oppositifolium. Opposite-leaved
Golden-Saxifrage.
RANUNCULUS hederaceus. Ivy Crowfoot.
CALTHA palustris. Marsh Marygold.
CHEIRANTHUS fruticulosus. Wallflower.

FOURTH MONTH (*April*).

1. *VERONICA hederifolia*. Ivy-leaved Speedwell.
ALCHEMILLA arvensis.
APHANES arvensis. Linn. } Field Ladies Mantle.
ALCHEMILLA aphanes. Willd. }
CERASTIUM vulgatum. Broad-leaved Mouse-ear
Chickweed.
GLECHOMA hederacea. Ground-Ivy.
ARABIS thaliana. Common Wall-Cress.
2. *VIOLA canina*. Dog's Violet.
JUNCUS sylvaticus.
 δ *JUNCUS pilosus*. Linn. } Wood Rush.
3. *CHARA vulgaris*. Common Chara.
* *TULIPA sylvestris*. Wild Tulip.

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3. * *ORNITHOGALUM luteum*. Yellow Star of Bethlehem.
 * *ANEMONE apennina*. Blue mountain Anemone.
 * *FUMARIA solida*. Solid bulbous Fumitory.
THLASPI campestre. Common Mithridate Mustard.
BUXUS sempervirens. Box-tree.
 * *RUSCUS aculeatus*. Butcher's-Broom.
 * *VISCUM album*. Misseltoe.
4. * *VINCA major*. Greater Periwinkle.
5. *RIBES rubrum*. Common Currants.
 * *FRITILLARIA Meleagris*. Common Fritillary.
 * *ANEMONE Pulsatilla*. Pasque Flower.
MYRICA Gale. Sweet Gale.
7. *PRIMULA farinosa*. Bird's eye Primrose.
8. * *HELLEBORUS viridis*. Green Hellebore.
9. *GALIUM Aparine*. Goose-grass. (5)
10. *RIBES Uva-crispa*. Smooth Gooseberry.
CARPINUS Betulus. Horn-beam.
POPULUS canescens. Common White Poplar.
11. * *ECHIU M vulgare*. Common blue Vipers-Bugloss.
TUSSILAGO hybrida. Longer stalked Butter-bur.
 * *ARABIS stricta*. Bristol Rock-cress.
α CALLITRICHE aquatica. }
 14. *CALLITRICHE verna*. Linn. } Water Star-wort.
ALCHEMILLA vulgaris. Common Ladies Mantle.
 * *DENTARIA bulbifera*. Bulbiferous Coral-wort.
CARDAMINE pratensis. Meadow Ladies-smock.
15. *PRIMULA veris*. Common Cowslip.
α VIOLA tricolor. Pansy Violet.
PRUNUS spinosa. Sloe-tree.
17. ----- *insititia*. Bullace-tree.
 * *SCROPHULARIA vernalis*. Yellow Fig-wort.
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(5) The powers of late attributed to this plant, as an anticarcinomatous remedy, may reasonably be doubted. It has long been a popular remedy in those complaints commonly called *scorbutic*. Its root, in common with that of Madder, (*Rubia tinctorum* Linn.) has the property of tinging the bones of animals fed upon it, of a red colour. K.

17. * COCHLEARIA *danica*. Danish Scurvy-grass.
 ERYSIMUM *Alliaria*. Garlick Hedge-mustard. *Re.*
18. * NARCISSUS *poeticus*. Poetic Narcissus.
 PRUNUS *domestica*. Plum-tree.
19. CHARA *hispida*. Prickly Chara. *Re. 1. 79*
 RANUNCULUS *auricomus*. Wood Crowfoot.
23. CERASTIUM *aquaticum*. Water Chickweed.
 PRUNUS *Cerasus*. Cherry-tree.
 THLASPI *Bursa-Pastoris*. Common Shepherd's Purse.
 BRASSICA *Rapa*. Turnep. *Re. 1. 79*
25. * IXIA *Bulbocodium*. Crocus-leaved Ixia. (CURTIS.)
 * EPIMEDIUM *alpinum*. Barren-wort.
 * NARCISSUS *biflorus*. Pale Narcissus.
 PYRUS *communis*. Iron Pear-tree. *Re. 1. 79*
26. RIBES *nigrum*. Black Currants.
 * ASARUM *europæum*. Asarabacca.
27. CHÆROPHYLLUM *sylvestre*. Smooth Cow Parsley.
 STELLARIA *nemorum*. Wood Stitchwort.
 COCHLEARIA *anglica*. English Scurvy-grass.
 SALIX *repens*. Creeping dwarf Willow.
28. STELLARIA *holostea*. Greater Stitchwort.
 BETULA *alba*. Common Birch. *Re. 1. 79*
29. VERONICA *arvensis*. Wall Speedwell. *Re. 1. 79*
 ASPERULA *odorata*. Sweet Woodruff.
 EUPHORBIA *Cyparissias*. Cypress Spurge. *Re. 1. 79*
 FRAGARIA *vesca*. Wood Strawberry.
 α RANUNCULUS *aquatilis*. }
 β RANUNCULUS *aquatilis*. } Water Crowfoot
30. α VALERIANA *Locusta*. }
 VALERIANA *olitoria*. Willd. } Corn Sallad. *Re. 1. 79*
 ERIOPHORUM *vaginaturn*. Single-headed Cotton-grass.
 ----- *angustifolium*. Common Cotton-grass.
 PLANTAGO *lanceolata*. Ribwort Plantain. (6) *Re. 1. 79*

(6) A year or two ago, I met with a variety of this species, having the summit of the spike surmounted by leaves; which I considered as an accidental conversion of the terminal flowers, rather than as a permanent variety.

Qu. Is this var. 3. of Withering, described as having "the summit of the stalk surrounded with leaves longer than the spike?"

30. * *LEUCOJUM aestivum*. Summer Snow-flake.
 * *ERICA Dabeoci*.
MENZIESIA polifolia. Jussieu. } Irish Heath.
ANDROMEDA polifolia. Marsh Rosemary.
 α *LYCHNIS dioica*. Red Campion.
IBERIS nudicaulis. Naked-stalked Candy-tuft.
TURRITIS hirsuta. Hairy Tower-Mustard.
SINAPIS arvensis. Charlock.
GERANIUM molle. Dove's-foot Crane's-bill.
ORCHIS mascula. Early purple Orchis.

FIFTH MONTH (May).

1. *VERONICA agrestis*. Procumbent Speedwell.
ANCHUSA sempervirens. Evergreen Alkanet.
ACER Pseudo-platanus. Greater Maple.
CERASTIUM semidecandrum. Little Mouse-ear-Chickweed.
 * *TROLLIUS europaeus*. Globe-flower.
 * *FUMARIA lutea*. Yellow Fumitory.
 * *SALIX herbacea*. Least Willow.
 2. * *GENTIANA acaulis*. Dwarf Gentian. (E. Bot.)
 3. *VACCINIUM Myrtillus*. Bilberry.
ACER campestre. Common Maple.
HOLOSTEUM umbellatum. Umbelliferous Chickweed.
CARDAMINE amara. Bitter Ladies-smock.
ERODIUM cicutarium.
GERANIUM cicutarium. Linn. } Hemlock Stork's-bill.
GERANIUM pusillum. Small-flowered Crane's-bill.
FAGUS sylvatica. Beech-tree.
 5. *HIPPURIS vulgaris*. Common Mare's-tail. (7)
 * *ORNITHOGALUM umbellatum*. Common Star of Bethlehem.
GERANIUM lucidum. Shining Crane's-bill.
CAREX præcox. Vernal Carex.

(7) Was observed to emerge on the 12th of 4th Month. (April.) K.

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6. * *ARBUTUS Uva-ursi*. Red-berried trailing Arbutus. (8)
 * *SAXIFRAGA umbrosa*. London Pride.
7. *BUNIAM flexuosum*. Common Earth-nut.
 * *SAXIFRAGA oppositifolia*. Purple Saxifrage.
MESPILUS Oxyacantha.
CRATÆGUS Oxyacantha. Linn. } Hawthorn. (9)
CAREX paludosa. Lesser common Carex.
8. *VERONICA serpyllifolia*. Smooth Speedwell.
 * *VIOLA lutea*. Yellow mountain Pansy.
SCANDIX odorata. Great Chervil.
PYRUS Malus. Apple-tree.
 * *GEUM rivale*. Water Avens.
PEDICULARIS palustris. Marsh Louse-wort.
 ----- *sylvatica*. Pasture Louse-wort. (10)
POLYGALA vulgaris. Milk-wort.
CAREX dioica. Common separate-headed Carex.
 * *SALIX reticulata*. Wrinkled Willow.
9. *VERONICA montana*. Mountain Speedwell.
ANTHOXANTHUM odoratum. Sweet-scented Vernal-grass.
SAGINA apetala. Annual small-flowered Pearl-wort.
CHENOPODIUM Bonus Henricus. Perennial Goose-foot.
SCILLA nutans.
HYASCINTHUS nonscriptus. Linn. } Hare-bell.
 * *SAXIFRAGA hypnoides*. Mossy Saxifrage.
 * *CERASTIUM tomentosum*. Woolly Mouse-ear. (HULL.)
ANTIRRHINUM Cymbalaria. Ivy-leaved Snapdragon.
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(8) The tonic and sedative properties of this plant are not, I apprehend, in general fully appreciated, notwithstanding what has been said on the subject by Doctors Ferriar and Bourne. In many cases I have found it not a little efficacious. K.

(9) Its inflorescence usually commences on the *first* of this month (MAY).

(10) Frequently varies to white.

9. * *IBERIS amara*. Bitter Candy-tuft.
FUMARIA officinalis. Common Fumitory. *off.* *in herb.*
 * *GNAPHALIUM dioicum*. Mountain Cud-weed.
10. * *SAXIFRAGA tridactylites*. Rue-leaved Saxifrage.
RANUNCULUS sceleratus. Celery-leaved Crowfoot.
 ----- *hirsutus*. Pale hairy Crowfoot.
 ----- *acris*. Upright meadow Crowfoot. *in herb.*
- GALEOBDOLOM luteum*.
GALEOPSIS Galeobdolon. Linn. } Yellow Dead-Nettle.
LEONURUS Galeobdolon. Willd. }
- * *GERANIUM phaeum*. Dusky Crane's-bill.
 * *CENTAUREA Cyanus*. Corn Blue-bottle.
11. *FRAXINUS excelsior*. Common Ash. *in herb.*
VERONICA Chamedrys. Germander Speedwell. *in herb.*
VALERIANA dioica. Marsh Valerian. *in herb.*
SHERARDIA arvensis. Blue Sherardia.
β MYOSOTIS scorpioides. Mouse-ear Scorpion-grass.
MENYANTHES trifoliata. Buckbean. (11) *in herb.*
 * *LONICERA Caprifolium*. Pale perfoliate Honeysuckle.
GLAUX maritima. Black Salt-wort.
STATICE Armeria. Common Thrift.
JUNCUS campestris. Hairy field Rush.
RUMEX Acetosa. Common Sorrel.
TRIGLOCHIN maritimum. Sea Arrow-grass.
PARIS quadrifolia. Herb Paris. *in herb.*
ARENARIA rubra. Purple Sandwort.
PRUNUS Padus. Bird Cherry.
PYRUS aucuparia.
SORBUS aucuparia. Linn. } Mountain-ash.
POTENTILLA anserina. Silver-weed.
TORMENTILLA officinalis.
TORMENTILLA erecta. Linn. } Common Tormentil.
 ----- *reptans*. Trailing Tormentil.

(11) Varies frequently in the number of stamens, each flower having often six, and sometimes seven. *h.*

11. CHELIDONIUM *majus*. Celandine.
 * AQUILEGIA *vulgaris*. Columbine.
 RANUNCULUS *bulbosus*. Bulbous Crowfoot.
 AJUGA *reptans*. Common Bugle.
 GERANIUM *robertianum*. Stinking Crane's-bill. (12)
 GENISTA *anglica*. Needle Green-weed.
 TRIFOLIUM *procumbens*. Hop Trefoil.
 α LOTUS *corniculatus*. Common Bird's-foot Trefoil.
 CAREX *pulicaris*. Flea Carex.
 ----- *arenaria*. Sea Carex.
 QUERCUS *Robur*.
 QUERCUS *pedunculata*. Willd. } Common British Oak.
 12. VALERIANA *rubra*. Red Valerian.
 SCIRPUS *cæspitosus*. Scaly-stalked Club-rush.
 α MYOSOTIS *scorpioides*. Mouse-ear Scorpion-grass.
 POLEMONIUM *cæruleum*. Jacob's Ladder.
 * CONVALLARIA *multiflora*. Common Solomon's Seal
 RUMEX *Acetosella*. Sheep's Sorrel.
 * RUBUS *arcticus*. Dwarf crimson Bramble.
 RANUNCULUS *Flammula*. Lesser Spear-wort.
 THLASPI *perfoliatum*. Perfoliate Shepherd's Purse.
 COCHLEARIA *Armoracia*. Horse-radish.
 CORONOPUS *Ruellii*.
 COCHLEARIA *Coronopus*. Linn. } Common Wart-cress
 ERYSIMUM *Barbarea*. Yellow Rocket.
 FUMARIA *claviculata*. White climbing Fumitory.
 CAREX *ulpina*. Great spiked Carex.
 URTICA *dioica*. Great Nettle.
 13. SAGINA *procumbens*. Procumbent Pearl-wort.
 ALLIUM *ursinum*. Broad-leaved Garlick.
 * CONVALLARIA *majalis*. Lily of the Valley.
 SCLERANTHUS *annuus*. Annual Knawel.
 RANUNCULUS *repens*. Creeping Crowfoot.
 ORNITHOPUS *perpusillus*. Common Bird's-foot.
 TRIFOLIUM *pratense*. Common purple Trefoil.

14. SCIRPUS *triqueter*. Triangular Club-rush.
 ALOPECURUS *pratensis*. Meadow Fox-tail-grass.
 SAGINA *erecta*. Upright Pearl-wort.
 GALIUM *cruciatum*.
 VALANTIA *cruciata*. Linn. } Crosswort. *See*
 LYSIMACHIA *nemorum*. Wood Loosestrife.
 HYDROCOTYLE *vulgaris*. Marsh Pennywort.
 * STAPHYLEA *pinnata*. Bladder-nut-tree.
 BERBERIS *vulgaris*. Barberry. (13)
 * VACCINIUM *Vitis Idæa*. Red Whortle-berry.
 STELLARIA *uliginosa*. Bog Stitchwort.
 ARENARIA *peploides*. Sea Sandwort.
 * PAPAVER *cambricum*. Yellow Poppy.
 ERYSIMUM *officinale*. Common Hedge-mustard.
 SPARTIUM *scoparium*. Common Broom.
 LATHYRUS *Nissolia*. Crimson Lathyrus.
 HIERACIUM *Pilosella*. Mouse-ear Hawkweed.
 URTICA *wrens*. Small Nettle.
 ARUM *maculatum*. (Spadice purpureo.) Cuckowpint.
15. STELLARIA *graminea*. Lesser Stitchwort.
 * DORONICUM *Pardalianches*. Great Leopard's-bane.
 CAREX *acuta*. Slender-spiked Carex.
 ----- *riparia*. Great common Carex.
16. VERONICA *Beccabunga*. Brooklime.
 ♂ MYOSOTIS *scorpioides*. Mouse-ear Scorpion-grass.
 EUPHORBIA *Peplus*. Petty Spurge.
 SISYMBRIUM *Nasturtium*. Water Cress.
 ----- *terrestre*.
 SISYMBRIUM *palustre*. Willd. } Annual water Rocket
 HOLCUS *avenaceus*. }
 AVENA *elatior*. Linn. } Oat-like Soft-grass.
 POA *trivialis*. Roughish Meadow-grass.
 GALIUM *saxatile*. Smooth heath Bed-straw.

(13) It would be worth while to ascertain by experiment, whether the very probable conjecture of Dr. Smith respecting the fructification of this plant has any foundation in fact. K.

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16. BUNIUM *Bulbocastanum*. Great Earth-nut.
 HOTTONIA *palustris*. Water Violet.
 * CONVALLARIA *Polygonatum*. Angular Solomon's Seal.
 VICIA *sativa*. Common Vetch.
 TRIFOLIUM *minus*. Lesser yellow Trefoil.
17. CORNUS *sanguinea*. Wild Cornel-tree.
 ILEX *Aquifolium*. Holly-tree.
 * LONICERA *Xylosteum*. Upright Honeysuckle.
 VACCINIUM *Oxycoccus*. Cranberry.
 POTENTILLA *reptans*. Common creeping Cinquefoil.
 GEUM *urbanum*. Common Avens.
 RANUNCULUS *arvensis*. Corn Crowfoot.
 CAREX *ovalis*. Oval-spiked Carex.
18. VERONICA *spicata*. Spiked Speedwell.
 ----- *officinalis*. Male Speedwell.
 LOLIUM *perenne*. Ray-grass.
 SCANDIX *Anthriscus*. Rough Chervil.
 ÆGOPODIUM *Podagraria*. Gout-weed.
 RUMEX *obtusifolius*. Broad-leaved Dock.
 GERANIUM *dissectum*. Jagged-leaved Crane's-bill.
 TRIFOLIUM *repens*. White Trefoil.
 ANTHEMIS *Cotula*. Stinking May-weed.
19. * ALLIUM *Schænoprasum*. Chive Garlick.
 * CISTUS *Helianthemum*. Common dwarf Cistus.
 * ARISTOLOCHIA *Clematitis*. Common Birth-wort.
 * RHODIOLA *rosea*. Rose-root.
20. PARIETARIA *officinalis*. Pellitory of the Wall.
 SYMPHYTUM *officinale*. Common Comfrey.
 * RHAMNUS *Frangula*. Alder Buckthorn.
 * PYRUS *Aria*.
 CRATÆGUS *Aria*. Linn. } White Beam-tree.
 CRAMBE *maritima*. Sea Kale.
 GERANIUM *sanguineum*. Bloody Crane's-bill.
 MALVA *rotundifolia*. Dwarf Mallow.
 * JUNIPERUS *communis*. Common Juniper.
21. SCIRPUS *palustris*. Marsh-creeping Club-rush.

21. *POA pratensis*. Smooth-stalked Meadow-grass.
POTAMOGETON crispam. Curled Pond-weed.
 ----- *pectinatum*. Fennel-leaved Pond-weed
SPERGULA arvensis. Corn Spurrey.
RIHINANTHUS Crista-galli. Yellow Rattle.
CAREX strigosa. Loose pendulous Carex.
 ----- *filiformis*. Slender-leaved Carex.
22. *FESTUCA pratensis*. Meadow Fescue-grass.
JUNCUS effusus. Soft Rush.
LYCHNIS Flos-Cuculi. Meadow Lychnis.
THYMUS Serpyllum. Wild Thyme.
SENECIO aquaticus. Marsh Ragwort.
ORCHIS Morio. Meadow Orchis.
23. *SCIRPUS maritimus*. Salt-marsh Club-rush.
POA fluitans.
FESTUCA fluitans. Linn. } Flote Meadow-grass.
POA rigida. Hard Meadow-grass.
DACTYLIS glomerata. Rough Cock's-foot-grass.
PLANTAGO Coronopus. Buck's-horn Plantain.
POTAMOGETON natans. Broad-leaved Pond-weed.
SANICULA europea. Wood Sanicle.
JUNCUS maritimus.
 β *JUNCUS acutus*. Linn. } Lesser sharp Rush.
POLYGONUM Bistorta. Great Bistort.
 β *LYCHNIS dioica*. White Champion. (14)
HEDYPNOIS hispida.
LEONTODON hispidum. Linn. } Rough Hedypnois.
APARGIA hispida. Willd.
TAMUS communis. Black Bryony.
24. *IRIS pseudacorus*. Yellow Iris.
ALOPECURUS agrestis. Slender Fox-tail-grass.
 ----- *geniculatus*. Floating Fox-tail-grass.
AGROSTIS vulgaris. Fine Bent-grass.
HOLCUS lanatus. Meadow Soft-grass.

(14) *LYCHNIS vespertina* of Sibthorp and Symons, so called from its fragrance in the evening.

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24. POTAMOGETON *gramineum*. Grassy Pond-weed.
 CENANTHE *crocata*. Hemlock Water Dropwort.
 ALLIUM *vineale*. Crow Garlick.
 ORCHIS *maculata*. Spotted palmate Orchis.
25. AIRA *aquatica*. Water Hair-grass.
 * BRIZA *maxima*. Great Quake-grass. (HULL.)
 * ALCHEMILLA *alpina*. Alpine Ladies-mantle.
 * CYNOGLOSSUM *officinale*. Common Hounds-tongue.
 HERACLEUM *Sphondylium*. Common Cow-parsnep.
 * SAXIFRAGA *palmata*. Palmate Saxifrage.
 SCROPHULARIA *nodosa*. Knotty-rooted Fig-wort.
 BRASSICA *campestris*. Field Cabbage.
 RAPHANUS *Raphanistrum*. Wild Radish.
 TRAGOPOGON *porrifolius*. Purple Goat's-beard.
 OPHRYS *ovata*.
 EPIPACTIS *ovata*. Swartz. } Common Twayblade.
26. SCIRPUS *setaceus*. Least Club-rush.
 SANGUISORBA *officinalis*. Great Burnet.
 LITHOSPERMUM *arvense*. Corn Gromwell.
 VIBURNUM *Opulus*. Common Guelder-rose.
 PEPLIS *Portula*. Water Purslane.
 TRIGLOCHIN *palustre*. Marsh Arrow-grass.
 FUMARIA *capreolata*. Ramping Fumitory. (15)
 HIERACIUM *murorum*. Wall Hawkweed.
27. AVENA *fatua*. Wild Oat.
 * RHAMNUS *catharticus*. Purging Buckthorn.
 HYDROCOTYLE *inundata*. }
 SISON *inundatum*. Linn. } Floating White-rot.
 * MESPILUS *germanica*. Common Medlar.
 * SPIRÆA *Filipendula*. Common Dropwort.
 * GERANIUM *columbinum*. Long-stalked Crane's-bill.
28. AIRA *præcox*. Early Hair-grass.
 * ASPARAGUS *officinalis*. Common Asparagus.
 * SAXIFRAGA *granulata*. White Saxifrage.
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(15) Very common in the hedges in many places in this neighbourhood.

28. * *CISTUS marifolius*. Hoary dwarf Cistus.
RANUNCULUS parvulus. Little upright Crowfoot.
 * *ERODIUM moschatum*.
GERANIUM moschatum. Linn. } Musky Stork's-bill.
 * *VICIA lathyroides*. Spring Vetch.
 29. *VERONICA Anagallis*. Water Speedwell.
CYNOSURUS cristatus. Crested Dog's-tail-grass.
GALIUM uliginosum. Rough marsh Bed-straw.
SOLANUM Dulcamara. Woody Nightshade. (16)
CHÆROPHYLLUM temulentum. Rough Cow-parsley.
COTYLEDON Umbilicus.
 β *COTYLEDON Umbilicus*. Linn. } Common Navel-wort.
COMARUM palustre. Marsh Cinquefoil.
PAPAVER Rhæas. Common red Poppy.
DIGITALIS purpurea. Purple Fox-glove.
 α *ORCHIS bifolia*. Butterfly Orchis.
 30. *AVENA pratensis*. Narrow-leaved Oat-grass.
ANAGALLIS arvensis. Scarlet Pimpernel.
 * *EUONYMUS europæus*. Common Spindle-tree.
DAUCUS Carota. Wild Carrot.
ACORUS Calamus. Sweet Flag.
 * *TOFIELDIA palustris*.
ANTHERICUM calyculatum. Linn. } Scottish Asphodel.
HELONIAS borealis. Willd.
RESEDA Luteola. Dyer's-weed.
NYMPHÆA lutea. Yellow Water-lily.
 * *HESPERIS inodora*. Scentless Dame's-violet.
OROBUS tuberosus. Common Orob.
 31. *ALOPECURUS bulbosus*. Bulbous Fox-tail-grass.
MELICA uniflora. Wood Melic-grass.
 * *POA bulbosa*. Bulbous Meadow-grass.

(16) That the berries of this plant possess highly poisonous qualities is well known. That the stems are not entirely destitute of narcotic properties is equally true. In one instance where a very large dose had been swallowed, paralysis of the tongue and fauces, with diminished sensibility of the retina was the consequence. Its effects were not entirely removed for several days. A.

31. * *Pinguicula vulgaris*. Common Butterwort.
Plantago maritima. Sea Plantain.
Potamogeton densum. Close-leaved Pond-weed.
 * *Lithospermum officinale*. Common Gromwell.
Lycopsis arvensis. Small Bugloss.
Meum athamanticum.
Athamanta Meum. Linn. } Spiguel.
Aethusa Meum. Willd. }
Juncus acutus. Great sharp Rush.
 ----- *conglomeratus*. Common Rush.
Rumex sanguineus. Bloody-veined Dock.
Silene maritima.
 β *Cucubalus Behen*. Linn. } Sea Campion.
Arenaria marina.
 β *Arenaria rubra*. Linn. } Sea spurrey Sandwort.
Rubus idaeus. Raspberry.
Papaver Argemone. Long rough headed Poppy.
 ----- *dubium*. Long smooth headed Poppy.
Nymphæa alba. White Water-lily.
Carduus lanceolatus. Spear Thistle.
Chrysanthemum Leucanthemum. Great white
 Ox-eye.
Orchis latifolia. Marsh Orchis.
Arum maculatum. (spadice albo) Cuckow-pint. (17)

SIXTH MONTH (June).

1. *Sonchus arvensis*. Corn Sow-thistle.
Achillea Millefolium. Common Yarrow.
 2. *Rumex acutus*. Sharp Dock.
Polygonum aviculare. Knotgrass.
 * *Alyssum sativum*.
Myagrurn sativum. Linn. } Gold of Pleasure.
 3. *Briza media*. Common Quaking-grass.

(17) I have observed that the inflorescence of those plants in which the Spadix is white, uniformly takes place later than when it is purple.

3. RUMEX *crispus*. Curled Dock.
LATHYRUS *latifolius*. Broad-leaved Lathyrus.
4. CAUCALIS *nodosa*.
TORDYLIUM *nodosum*. Linn. } Knotted stone Parsley.
* SEDUM *rupestre*. Rock Stonecrop.
RUBUS *casius*. Dewberry.
----- *corylifolius*. Hasel-leaved Bramble.
- TRAGOPOGON *pratensis*. Yellow Goat's-beard.
ANTHEMIS *arvensis*. Corn Chamomile.
* CALENDULA *arvensis*. Marigold. (HULL.) (18)
CAREX *distans*. Loose Carex.
5. SPERGULA *nodosa*. Knotted Spurrey.
SISYMBRIUM *amphibium*. Great water Rocket.
LEMNA *minor*. Lesser Duck-weed.
6. * SALVIA *verbenaca*. Wild English Clary.
SAMBUCUS *nigra*. Dwarf Elder.
MALVA *sylvestris*. Common Mallow.
FAGUS *Castanea*. Chesnut-tree.
7. * ~~LOLIUM~~ *perenne*. Ray-grass.
TRITICUM *repens*. Couch-grass.
* SAXIFRAGA *stellaris*. Hairy Saxifrage.
* SILENE *acaulis*. Moss Campion.
8. PLANTAGO *media*. Hoary Plantain.
JUNCUS *uliginosus*. Little bulbous Rush.
* ANTIRRHINUM *majus*. Great Snapdragon.
9. * VERONICA *saxatilis*. Blue rock Speedwell.
* ----- *alpina*. Alpine Speedwell.
SCHOENUS *albus*. White-headed Bog-rush.
* POA *alpina*. Alpine Meadow-grass.
* STIPA *pennata*. Downy Feather-grass.
* CAMPANULA *glomerata*. Clustered Bell-flower.

(18) It is not uncommon for the flowers of this plant to become double; its multiplication arising from a conversion of the tubular into ligulate florets. It is worthy of remark that its fertility is increased in proportion to its multiplication. It is apt to become prolific. K.

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9. * *ATROPA Belladonna*. Deadly Nightshade.
LONICERA Periclyminum. Common Honeysuckle.
 * *ANGELICA Archangelica*. Garden Angelica.
 * *IMPERATORIA Ostruthium*. Masterwort.
RUMEX aquaticus. Great water Dock.
ALISMA Plantago. Greater water Plantain.
ERICA Tetralix.
ERICA botuliformis. Salisbury. } Cross-leaved Heath. (19)
 * *SEDUM anglicum*. English Stonecrop.
 * *OXALIS corniculata*. Yellow procumbent Wood-Sorrel.
ROSA arvensis. White Dog-rose.
RUBUS fruticosus. Common Bramble.
10. *FESTUCA elatior*. Tall Fescue-grass.
ELYMUS europæus. Wood Lyme-grass.
EPILOBIUM palustre. Round-stalked marsh Willow-herb.
GENISTA tinctoria. Dyer's Green-weed.
SONCHUS oleraceus. Common Sow-thistle.
CREPIS tectorum. Smooth Hawk's-beard.
11. * *LAGURUS ovatus*. Hare's-tail-grass.
ÆTHUSA Cynapium. Fool's-Parsley.
 * *EPILOBIUM angustifolium*. Rose bay Willow-herb.
MELAMPYRUM pratense. Common yellow Cow-wheat.
HIERACIUM paludosum. Succory-leaved mountain Hawk-weed.
12. *VALERIANA officinalis*. Great wild Valerian.
LOLIUM arvense. White Darnel.
HYOSCYAMUS niger. Common Henbane.
CONIUM maculatum. Common Hemlock.
 * *ORNITHOGALUM pyrenaicum*. Spiked Star of Bethlehem.
 * *DIANTHUS deltoides*. Maiden Pink.
 * ----- *cæsius*.
 β *DIANTHUS virgineus*. Linn. } Mountain Pink.
ARENARIA serpyllifolia. Thyme-leaved Sandwort.
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(19) All the species of *Erica* (*E. Dabeoci* excepted, and this I presume, will scarcely be considered as belonging to the genus) not unfrequently vary to white.

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12. SPIRÆA *Ulmaria*. Meadow-sweet.
 LINNÆA *borealis*. Two-flowered Linnæa.
 MEDICAGO *polymorpha*. Heart Medic.
 CARDUUS *pratensis*. Meadow Thistle.
13. ERICA *cinerea*.
 ERICA *mutabilis*. Salisbury. } Fine-leaved Heath.
 POLYGONUM *amphibium*. Amphibious Persicaria.
 SILENE *inflata*.
 CUCUBALUS *Behen*. Linn. } Bladder Champion.
 THALICTRUM *majus*. Greater Meadow-rue.
 GALEOPSIS *Ladanum*. Red Hemp-nettle.
 EUPHRASIA *officinalis*. Eyebright. (20)
 LATHYRUS *pratensis*. Meadow Vetchling.
 TRIFOLIUM *arvense*. Hare's-foot Trefoil.
 ----- *filiforme*. Slender yellow Trefoil.
 PRENANTHES *muralis*. Ivy-leaved Lettuce.
 β ORCHIS *bifolia*. Butterfly Orchis.
14. AGROSTIS *Spica-venti*. Silky Bent-grass.
 FESTUCA *ovina*. Sheep's Fescue-grass.
 BROMUS *erectus*. Upright perennial Brome-grass.
 POTAMOGETON *lucens*. Shining Pond-weed.
 RUPPIA *maritima*. Sea Ruppia.
 ROSA *spinosissima*. Burnet Rose.
 OROBANCHE *major*. Greater Broom-rape.
 MEDICAGO *sativa*. Lucerne.
15. * POA *flexuosa*. Zigzag Meadow-grass.
 * ----- *casia*. Sea-green Meadow-grass.
 * ----- *nemoralis*. Wood Meadow-grass.
 EPILOBIUM *tetragonum*. Square-stalked Willow-herb.
 BUTOMUS *umbellatus*. Flowering Rush.
 * LYCHNIS *Viscaria*. Red German Catchfly.
 * HEDYSARUM *Onobrychis*. Saintfoin.
 * HIERACIUM *auranticum*. Orange Hawkweed.
16. CIRCEA *lutetiana*. Common Enchanter's Nightshade.
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(21) Sometimes, although rarely, varies to purple.

16. PHLEUM *pratense*. Common Cat's-tail-grass.
 * FESTUCA *rubra*. Creeping Fescue-grass.
 * ----- *loliacea*. Spiked Fescue-grass.
 BROMUS *seculinus*. Smooth rye Brome-grass.
 JASIONE *montanu*. Sheep's Scabious.
 * APIUM *graveolens*. Wild Celery.
 ROSA *caninu*. Common Dog-rose. *P. canina*
 * POTENTILLA *fruticosa*. Shrubby Cinquefoil.
 MENTHA *arvensis*. Corn Mint.
 PRUNELLA *vulgaris*. Self-heal.
 HYPERICUM *quadrangulum*. Square St. John's Wort.
 SENECIO *Jacobea*. Common Ragwort.
 BRYONIA *dioica*. Red-berried Bryouy.
 17. AIRA *cristata*. Crested Hair-grass.
 POTAMOGETON *perfoliatum*. Perfoliate Pond-weed.
 VICIA *sepium*. Bush Vetch.
 GNAPHALIUM *gullicum*. }
 FILAGO *gallica*. Linn. } Narrow-leaved Cud-weed.
 SENECIO *sylvaticus*. Mountain Groundsel.
 18. BROMUS *mollis*. Soft Brome-grass.
 GALIUM *Mollugo*. Great hedge Bed-straw.
 JUNCUS *articulatus*. Jointed Rush.
 ALISMA *ranunculoides*. Small water Plantain.
 SEDUM *acre*. Biting Stonecrop.
 RESEDA *lutea*. Wild Mignonette.
 EUPHORBIA *helioscopia*. Sun Spurge.
 CREPIS *biennis*. Rough Hawk's-beard.
 HYOSERIS *minima*. Swine's Succory.
 19. ARUNDO *Calamagrostis*. Small Reed.
 ROSA *rubiginosa*. Sweetbriar.
 * PAPAVER *somniferum*. White Poppy.
 SCUTELLARIA *galericulata*. Common Skull-cap.
 * GERANIUM *prateuse* (*flore albo*). Crowfoot-leaved
 Crane's-bill.
 TRIFOLIUM *officinale*. }
 TRIFOLIUM *Melilotus officinalis*. Linn. } Common
 ----- *striatum*. Soft knotted Trefoil. } Melilot:

19. * GNAPHALIMUM *luteo-album*. Jersey Cud-weed.
20. LIGUSTRUM *vulgare*. Privet.
- * ARUNDO *colorata*.
 PHALARIS *arundinacea*. Linn. } Canary Reed-grass.
 GALIUM *palustre*. White-water Bed-straw.
 LINUM *usitatissimum*. Common Flax.
 ----- *catharticum*. Purging Flax.
- * SILENE *Armeria*. Lobel's Catch-fly.
- EUPHORBIA *exigua*. Dwarf Spurge.
- † ----- *paralia*. Sea Spurge.
- THALICTRUM *flavum*. Common Meadow-rue.
- RANUNCULUS *Lingua*. Great Spear-wort.
- SCROPHULARIA *aquatica*. Water Fig-wort.
- ERVUM *hirsutum*. Hairy Tare.
- HYPERICUM *androsaemum*. Tutsan St. John's Wort.
- MATRICARIA *Chamomilla*. Wild Chamomile.
- TYPHA *angustifolia*. Lesser Reed-mace.
- HYDROCHARIS *Morsus ranæ*. Common Frog-bit.
21. * VERONICA *fraticulosa*. Flesh-coloured shrubby Speed-well.
- SCIRPUS *Holoschoenus*. Round Cluster-headed Club-rush.
- FESTUCA *duriuscula*. Hard Fescue-grass.
- LOLIUM *temulentum*. Bearded Darnel.
- LYSIMACHIA *Nummularia*. Creeping Loosestife.
- CAMPANULA *rotundifolia*. Round-leaved Bell-flower.
- HERNIARIA *glabra*. Smooth Rupture-wort.
- GERANIUM *pratense*. Crowfoot-leaved Crane's-bill.
- HYPERICUM *humifusum*. Trailing St. John's-Wort.
22. * CIRCÆA *alpina*. Mountain Enchanter's Nightshade.
- † ARUNDO *arenaria*. Sea Reed.
- SEDUM *album*. White Stonecrop.
23. CHENOPODIUM *urbicum*. Upright Goosefoot.
- POLYGONUM *Convolutolus*. Climbing Buckwheat.
- HYPERICUM *pulchrum*. Upright St. John's-Wort.
- LAPSANA *communis*. Nipple-wort.
- PYRETHRUM *Parthenium*.
 MATRICARIA *Parthenium*. Linn. } Common Feverfew.

24. VERONICA *scutellata*. Narrow-leaved Marsh Speedwell.
 GALIUM *verum*. Yellow Bed-straw.
 ANTIRRHINUM *Linaria*. Common yellow Toadflax.
 * HYPERICUM *hirsutum*. Hairy St. John's Wort.
25. HORDEUM *maritimum*. Sea Barley.
 PLANTAGO *major*. Greater Plantain.
 * IMPATIENS *Noli me tangere*. Yellow Balsam.
 SOLANUM *nigrum*. Common Nightshade. (21)
 * ERYNGIUM *campestre*. Field Eryngo.
 SIUM *latifolium*. Broad-leaved Water Parsnep.
 AGROSTEMMA *Githago*. Corn Cockle.
 * DELPHINIUM *Consolida*. Field Larkspur.
 * ADONIS *autumnalis*. Corn Adonis.
 † β LOTUS *corniculatus*. Common Bird's-foot Trefoil
 CHRYSANTHEMUM *segetum*. Yellow Ox-eye.
 ATRIPLEX *pedunculata*. Pedunculated sea Orache.
26. HORDEUM *pratense*. }
 β HORDEUM *murinum*. Linn. } Meadow Barley.
 CICUTA *virosa*. Water Hemlock.
 TRIFOLIUM *ochroleucum*. Sulphur coloured Trefoil.
 α CENTAUREA *nigra*. Lesser Knapweed.
27. BORAGO *officinalis*. Common Borage.
 DATURA *Stramonium*. Thorn Apple.
 CENANTHE *fistulosa*. Common Water Dropwort.
 CHLORA *perfoliata*. }
 28. GENTIANA *perfoliata*. Linn. } Yellow Centaury. (22)
 POLYGONUM *Fagopyrum*. Buckwheat.
 MARRUBIUM *vulgare*. White Horehound.
 HYPERICUM *perforatum*. Perforated St. John's Wort.

(21) Too much pains cannot be taken to extirpate this poisonous weed, the berries of which have an appearance likely to tempt the appetites of children. The situations in which it is most frequently found near Warrington, are the gardens at the western end of the town and the road side at Lower Walton. K.

(22) This plant may be added to the list of those which are usually denominated equinoctial; its expansion commencing at 7 o'clock A. M. and ending at 2 o'clock P. M. K.

28. HORDEUM *murinum*. Wall Barley.
 SAMBUCUS *Ebulus*. Dwarf Elder.
 NARTHECIUM *ossifragum*.
 ANTHERICUM *ossifragum*. Linn. } Lancashire Asphodel
 VERBENA *officinalis*. Common Vervain.
 CARDUUS *arvensis*.
 SERRATULA *arvensis*. Linn. } Creeping Thistle.
 EUPATORIUM *cannabinum*. Hemp-agrimony.
 TYPHA *latifolia*. Broad-leaved Reed-mace.
29. POLYGONUM *Persicaria*. Spotted Persicaria.
 SEMPERVIVUM *tectorum*. Common Houseleek.
 * ACTÆA *spicata*. Herb Christopher.
 TILIA *europæa*. Common Lime-tree.
 GALEOPSIS *versicolor*.
 β GALEOPSIS *Tetralit.* Linn. } Large-flowered
 GALEOPSIS *cannabinu.* Willd. } Hemp-nettle.
 † SISYMBRIUM *Sophia*. Flix-weed.
30. CHENOPODIUM *rubrum*. Red Goose-foot.
 ----- *album*. White Goose-foot.
 β SAMBUCUS *nigra*. Common Elder.
 † PYROLA *minor*. Lesser Wintergreen. (23).
 SEDUM *reflexum*. Yellow Stonecrop.
 * POTENTILLA *alba*. White Cinquefoil.
 * SIBTHORPIA *europæa*. Cornish Moneywort.
 GNAPHALIUM *germanicum*.
 FILAGO *germanica*. Linn. } Common Cudweed.
 β CENTAUREA *nigra*. Lesser Knapweed.
 SPARGANIUM *simplex*. Unbranched upright Bur-reed.

SEVENTH MONTH (July).

1. VERBASCUM *Thapsus*. Great Mullein.
 * LIGUSTICUM *scoticum*. Scottish Lovage.
 STACHYS *arvensis*. Corn Woundwort.
 † γ ONONIS *arvensis*.
 ONONIS *repens*. Linn. } Rest-harrow.

(23) This rare plant was brought to me from a rock near the waterfall at Ambleside, Westmoreland.

2. VALERIANA *dentata*. Oval-fruited Corn Sallad.
 † ERYNGIUM *maritimum*. Sea Eryngo.
 PHELLANDRIUM *aquaticum*. Water Hemlock.
 † GLAUCIUM *luteum*. } Yellow Horned-
 CHELIDONIUM *Glaucium*. Linn. } poppy.
 † ANTHYLLIS *vulneraria*. Kidney Vetch.
 † VICIA *sylvatica*. Wood Vetch.
 * ----- *Cracca*. Tufted Vetch.
3. FESTUCA *gigantea*. } Tallest Fescue-grass.
 BROMUS *giganteus*. Linn. }
 CONVOLVULUS *sepium*. Great Bindweed.
 AGRIMONIA *eupatoria*. Common Agrimony.
 STACHYS *palustris*. Marsh Woundwort.
 α ONONIS *arvensis*. Rest-harrow.
4. POA *maritima*. Sea Meadow-grass.
 ANAGALLIS *tenella*. } Bog Pimpernel.
 LYSIMACHIA *tenella*. Linn. }
 CHIRONIA *Centaureum*. } Common Centaury.
 GENTIANA *Centaureum*. Linn. }
5. LYSIMACHIA *vulgaris*. Yellow Loosestrife.
 † GERANIUM *sylvaticum*. Wood Crane's-bill.
 MALVA *moschata*. Musk Mallow.
 † HYPERICUM *montanum*. Mountain St. John's Wort.
6. † β CIRCÆA *alpina*. } Mountain Enchanter's
 CIRCÆA *intermedia*. Ehrhart. } Nightshade.
 CONVOLVULUS *arvensis*. Small Bindweed.
 SIUM *nodiflorum*. Procumbent Water Parsnep.
 PIMPINELLA *saxifraga*. Common Burnet-Saxifrage.
 * OENOTHERA *biennis*. Biennial Oenothera. (E. Bor.)
 BALLOTA *nigra*. Stinking Black Horehound.
 LEONURUS *Cardiaca*. Motherwort.
 * HYPERICUM *calycinum*. Great-flowered St. John's
 Wort. (E. Bor.)
 BIDENS *tripartita*. Trifid Bur Marygold.
 CENTAUREA *Scabiosa*. Greater Knapweed.
7. SCABIOSA *arvensis*. Field Scabious.
 CAMPANULA *latifolia*. Giant Bell-flower.

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7. *EPILOBIUM roseum*. Pale Smooth-leaved Willow-herb.
TEUCRIUM Scorodonia. Wood Germander.
β ONONIS arvensis. }
β ONONIS spinosa. Linn. } Rest-harrow.
CARLINA vulgaris. Common Carline.
** GNAPHALIUM margaritaceum*. American Cudweed.
ACHILLEA Ptarmica. Sneezewort.
8. ** CAMPANULA Trachelium*. Nettle-leaved Bell-flower.
** CHENOPODIUM olidum*. }
CHENOPODIUM Vulvaria. Linn. } Stinking Goose-foot.
 ----- *maritimum*. Sea Goose-foot.
** SWERTIA perennis*. Marsh Felwort.
SELINUM palustre. Marsh Milky Parsley.
CAUCALIS Anthriscus. }
TORDYLIUM Anthriscus. Linn. } Upright Hedge Parsley
JUNCUS bufonius. Toad Rush.
EPILOBIUM hirsutum. Great hairy Willow-herb.
ARENARIA tenuifolia. Fine-leaved Sand-wort.
** CARDUUS marianus*. Milk Thistle.
9. *MELICA carulea*. }
AIRA carulea. Linn. } Purple Melic-grass.
GALEOPSIS Tetrahit. Common Hemp-nettle.
ERVUM tetraspermum. Smooth Tare.
CENTAUREA Calcitrapa. Common Star-thistle.
 † *ORCHIS conopsea*. Aromatic Orchis.
10. *SAMOLUS Valerandi*. Brookweed.
 † *CONVOLVULUS Soldanella*. Sea Bindweed.
 † *SALSOLA Kali*. Prickly Saltwort.
LYTHRUM Salicaria. Purple Loosestrife. (24)
BETONICA officinalis. Wood Betony.
 † *BUNIAS Cakile*. }
CAKILE maritima. Willd. } Sea Rocket.
CICHORIUM Intybus. Wild Succory.
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(24) A singular variety of this is sometimes found, which differs in the foliation, its leaves being alternate, ovate, and acuminate. This is not accidental but permanent. A.

10. *SERAPIAS latifolia*.
SERAPIAS Helleborine. Linn. } Broad-leaved Helleborine
EPIPACTIS latifolia. Swartz. }
SERAPIAS palustris.
 γ *SERAPIAS longifolia*. Linn. } Marsh Helleborine.
EPIPACTIS palustris. Swartz. }
 † *ATRIPLEX laciniata*. Frosted sea Orache.
11. * *PIIALARIS canariensis*. Manured Canary-grass.
EPILOBIUM parviflorum. } Small-flowered
 β *EPILOBIUM hirsutum*. Linn. } Willow-herb.
 * *DIANTHUS Caryophyllus*. Clove Pink.
 * *SERRATULA alpina*. Alpine Saw-wort.
12. * *IRIS fatidissima*. Stinking Iris.
SCABIOSA succisa. Devil's-bit Scabious.
JUNCUS bulbosus. Round-fruited Rush.
 * *DIANTHUS prolifer*. Proliferous Pink.
STACHYS sylvatica. Hedge Woundwort.
ASTER Tripolium. Sea Star-wort.
PYRETHRUM maritimum. } Sea Feverfew.
MATRICARIA maritimum. Linn. }
13. *LYCOPUS europæus*. Water Horehound.
DIPSACUS sylvestris. } Wild Teasel.
 α *DIPSACUS fullonum*. Linn. }
 * *CAMPANULA Rapunculus*. Rampion Bell-flower.
VERBASCUM Blattaria. Moth Mullein.
SIUM angustifolium. Narrow-leaved Water Parsnep.
PIMPINELLA magna. Great Burnet-Saxifrage.
 * *STRATIOTES aloides*. Water Soldier.
GNAPHALIUM minimum. Least Cudweed.
14. * *LYSIMACHIA thyrsiflora*. Tufted Loosestrife.
ANETHUM Feniculum. Common Fennel.
STATICE Limonium. Sea Lavender.
 * *DROSERA rotundifolia*. Round-leaved Sun-dew. (25)
 ----- *longifolia*. Long-leaved Sun-dew.

(25) The following accurate description of the Phænomenon exhibited by this Plant, may be considered worthy of insertion in this place.

“ Ses feuilles sont bordées de poils terminés par une petite goutte de liqueur.
 “ Quand un insecte se pose sur le disque d'une feuille, elle se ferme comme

See a

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14. † *β GALEOPSIS Ladanum*. Red Hemp-nettle.
 * *LAVATERA arborea*. Sea Tree-mallow.
HYPERICUM elodes. Marsh St. John's Wort.
HEDYPNOIS autumnalis.
LEONTODON autumnalis. Linn. } Autumnal Hedypnois,
APARGIA autumnalis. Willd. }
 * *INULA Helenium*. Elecampane.
15. *SAXIFRAGA Hirculus*. Yellow Marsh Saxifrage. (26)
BARTSIA viscosa. Yellow viscid Bartsia. (27)
ARTEMISIA vulgaris. Mugwort.
 † *CONYZA squarrosa*. Plowman's Spilzenard.
16. *POA procumbens*. Procumbent sea Meadow-grass.
 † *DIPSACUS pilosus*. Small Teasel.
 * *NEPETA Cataria*. Cat-mint.
SONCHUS palustris. Tall marsh Sow-thistle.
TANACETUM vulgare. Common Tansy.
-

“ une bourse à jetons dont on tire les cordons, et l'insecte meurt, tout couvert
 “ du suc visqueux qui s'échappe de l'extrémité des poils. C'est un spectacle aussi
 “ bizarre qu'il est étonnant, de voir, comme j'ai eu plusieurs fois occasion de
 “ l'observer, presque toutes les feuilles de cette petite plante formant des prisons
 “ enduites de glu, où sont retenus quelques insectes, tels que des fourmis ou des
 “ petites mouches. Ainsi la rencontre d'un gazon de rossolis est aussi terrible,
 “ pour ces légions de créatures faibles et misérables, que l'explosion d'un feu
 “ souterrain pour les peuplades humaines; mais ces desordres ont leur limites;
 “ et, tandis que les individus sont en proie à mille dangers, les espèces ne
 “ cessent pas de se propager, et ces innombrables races d'êtres éphémères ne
 “ sont pas moins que la race humaine sous la main protectrice de la Nature.”

MIRBEL Traité d'Anatomie

et de Physiologie Vegetales

Tom. 1. p. 265.

(26) Observed upon Knutsford moor; the habitat already pointed out.

(27) This rare plant has been found at Ormskirk, South-port, Allerton, Speke, Hale, and Ditton in Lancashire, and on Bartington heath in Cheshire, by different members of the Botanical Society of Warrington.

-
17. † PARNASSIA *palustris*. Grass of Parnassus.
 HUMULUS *Lupulus*. Common Hop.
18. SEDUM *Telephium*. Orpine.
 * SPIRÆA *salicifolia*. Willow-leaved Spiræa.
 GALEOPSIS *villosa*. Downy Hemp-nettle.
 α ONONIS *arvensis* (flore albo). Rest-harrow. (28)
 INULA *dysenterica*. Common Flea-bane. (29)
 ATRIPLEX *patula*. Spreading halberd-leaved Orache.
19. GENTIANA *Pneumonanthe*. Marsh Gentian. (30)
 ERICA *vulgaris*.
 CALLUNA *vulgaris*. Salisbury. } Common Heath.
 BARTSIA *Odontites*.
 EUPHRASIA *Odontites*. Linn. } Red Eyebright.
 PICRIS *hieracioides*. Hawkweed Ox-tongue.
 LACTUCA *Scariola*. Prickly Lettuce.
 ARTEMISIA *maritima*. Sea Wormwood.
 ----- Absinthium. Common Wormwood.
20. BROMUS *sylvaticus*. Slender wood Brome-grass,
 * HERNIARIA *hirsuta*. Hairy Rupture-wort.
 * ERICA *vagans*.
 ERICA *vaga*. Salisbury. } Cornish Heath.
 POLYGONUM *lupathifolium*. Pale-flowered Persicaria.
 ANTHEMIS *maritima*. Sea Chamomile.
21. * VERBASCUM *Lychnitis*. White Mullein.
 MENTHA *sylvestris*. Horse Mint.
-

(28) This variety, differing from α *Ononis arvensis*, not only in the whiteness of its petals, but in the colour of the stalk which is of a pale green instead of purple, is found near the pier, at Runcorn. K.

(29) This plant is said to have been occasionally useful in cases of Dysentery. As this disease, after an interval of more than 100 years, has of late appeared among us, it may perhaps, as a cheap remedy, be worthy of trial. It has an unpleasant smell, compared by some to that of soap; and a bitterish subacid taste. Its acrimony a little resembles that of *Arum maculatum*. K.

(30) A white-flowering variety of this plant, is said to have been found upon Bartington heath.

-
21. *SOLIDAGO Virgaurea*. Common Golden-rod. (31)
 22. * *CORIANDRUM sativum*. Common Coriander.
 * *TEUCRIUM Chamædrys*. Common Germander.
CINERARIA palustris. Marsh Flea-wort.
 23. *POLYGONUM Hydropiper*. Biting Persicaria.
MERCURIALIS annua. Annual Mercury.
 24. * *SALVIA pratensis*. Meadow Clary.
 * *DIPSACUS fullonum*. Manured Teasel.
DROSERÄ anglica. Great Sun-dew.
ANDROMEDA polifolia. Marsh Rosemary. (Second
 inflorescence.) (32)
ARCTIUM Lappa. Burdock.
 25. *SENECIO viscosus*. Stinking Groundsel.
 26. *SALICORNIA herbacea*. Marsh Samphire.
ERIGERON acre. Blue Flea-bane.
 27. *CAUCALIS infesta*.
SCANDIX infesta. Linn. } Spreading hedge Parsley.
SENECIO tenuifolius. Hoary Ragwort.
 28. *ANGELICA sylvestris*. Wild Angelica.
ANTHEMIS nobilis. Common Chamomile.
 29. *CHIRONIA Centaurium*. (flore albo) Common Cen-
 taury. (33)
MENTHA hirsuta. Hairy Mint.-
LATHYRUS palustris. Marsh Lathyrus.
 30. *MENTHA rotundifolia*. Round-leaved Mint.
HYPOCHÆRIS radicata. Long-rooted Cat's-ear.
 31. *GENTIANA Amarella*. Autumnal Gentian.
STACHYS germanica. Downy Woundwort.
-

(31) The powdered Root, in doses of half a dram, three times a day, has been found a powerful remedy in *Dropsy*. It has long been in use in cases of *Nephritis*, and with good effect. K.

(32) Repeated observation confirms the opinion that this species has two distinct periods of inflorescence in each year.

(33) This variety has been found in several parts of this neighbourhood. K.

31. *HIERACIUM sabaudum*. Shrubby broad-leaved Hawkweed.

URTICA pilulifera.¹ Roman Nettle.

Totipetala Canadensis Linn. *Urtica pilulifera* Linn.

EIGHTH MONTH (*August*).

1. *SCUTELLARIA minor*. Lesser Skull-cap.
2. *GNAPHALIUM uliginosum*. Marsh Cudweed.
3. * *MENTHA viridis*. Spear Mint.
4. *GNAPHALIUM rectum*. Upright Cudweed.
5. *BIDENS cernua*. Nodding Bur Marygold.
6. *POLYGONUM minus*. Small creeping Persicaria.
7. *CLINOPODIUM vulgare*. Wild Basil.
- | | | |
|-----------------------------------|---|------------------|
| <i>LEONTODON palustre</i> . | } | Marsh Dandelion. |
| <i>LEONTODON lividus</i> . Willd. | | |
8. *ARUNDO Phragmites*. Common Reed.
9. *MENTHA piperita*. Pepper Mint.
10. ----- *rubra*. Tall red Mint.
11. * *ORIGANUM vulgare*. Common Marjoram.
12. *ARUNDO epijegos*. Wood Reed.
13. *MENTHA odorata*. Bergamot Mint.
14. *UTRICULARIA vulgaris*. Hooded Milfoil.
15. * *SENECIO sarracenicus*. Broad-leaved Groundsel.
- | | | |
|------------------------------|---|--------------|
| <i>ULEX nanus</i> . | } | Dwarf Furze. |
| <i>ULEX europæus</i> . Linn. | | |
16. *MENTHA Pulegium*. Penny Royal.
17. *SAPONARIA officinalis*. Soapwort.
19. *CHIRONIA pulchella*. Dwarf branched Centaury.
20. *CHENOPODIUM hybridum*. Maple leaved Goose-foot.
- * *HIERACIUM umbellatum*. Narrow-leaved Hawkweed.
- † *SERRATULA tinctoria*. Common Saw-wort.
24. *OPHRYS spiralis*.
- | | | |
|-----------------------------------|---|----------------|
| <i>NEOTTIA spiralis</i> . Swartz. | } | Spiral Ophrys. |
| | | |
25. *BIDENS cernua*.
- | | | |
|------------------------------|---|-----------------------|
| <i>BIDENS minima</i> . Linn. | } | Nodding Bur Marygold. |
| | | |

-
27. CORNUS *sanguinea*. Wild Cornel-tree (second inflorescence). (34)
 28. SCLERANTHUS *perennis*. Perennial Knawel.

NINTH MONTH (*September*).

8. * COLCHICUM *autumnale*. Meadow Saffron.
 10. * ARBUTUS *Unedo*. Strawberry-tree.
 18. * CROCUS *sativus*. Saffron Crocus.
 24. γ CALLITRICHE *aquatica*.
 CALLITRICHE *autumnalis*. Linn. } Water Star-wort.

TENTH MONTH (*October*).

13. HEDERA *Helix*. Common Ivy. *Helix* 7/51
-

(34) The time here mentioned was evidently the second period of inflorescence, but whether it is permanently the case as in *Andromeda* I do not know.

INDEX GENERUM.

The Genera printed in Italics occur only as synonyms.

		Page.			Page.
A	A		Angelica	-	21, 32.
CER	-	10.	Anthemis	- 15, 20, 31, 32.	
Achillea	-	19, 28.	<i>Anthericum</i>	-	18, 26.
Acorus	-	18.	Anthoxanthum	-	11.
Actæa	-	26.	Anthyllis	-	27.
Adonis	-	25.	Antirrhinum	-	11, 20, 25.
Adoxa	-	7.	<i>Apargia</i>	-	16, 30.
Ægopodium	-	15.	<i>Aphanes</i>	-	7.
Æthusa	-	19, 21.	Apium	-	23.
Agrimonia	-	27.	Aquilegia	-	13.
Agrostemina	-	25.	Arabis	-	7, 8.
Agrostis	-	16, 22.	Arbutus	-	11, 34.
Aira	-	17, 23, 28.	Arctium	-	32.
Ajuga	-	13.	Arenaria	12, 14, 19, 21, 28.	
Alchemilla	-	7, 8, 17.	Aristolochia	-	15.
Alisma	-	21, 23.	Artemisia	-	30, 31.
Allium	-	13, 15, 17.	Arum	-	14, 19.
<i>Alnus</i>	-	6.	Arundo	-	23, 24, 33.
Alopecurus	-	14, 16, 18.	Asarum	-	9.
<i>Alsine</i>	-	6.	Asparagus	-	17.
Alyssum	-	19.	Asperula	-	9.
Anagallis	-	18, 27.	Aster	-	29.
Anchusa	-	10.	<i>Athamanta</i>	-	19.
Andromeda	-	10, 32.	Atriplex	-	25, 29, 31.
Anemone	-	7, 8.	Atropa	-	21.
Anethum	-	29.	Avena	-	14, 17, 18.

INDEX.

		B	Page.		Page.
Ballota	-	-	27.	Cochlearia	- 7, 9, 13.
Bartsia	-	-	30, 31.	Colchicum	- 34.
Bellis	-	-	5.	Comarum	- 18.
Berberis	-	-	14.	Conium	- 21.
Betonica	-	-	28.	Convallaria	- 13, 15.
Betula	-	-	6, 9.	Convolvulus	- 27, 28.
Bidens	-	-	27, 33.	Conyza	- 30.
Borago	-	-	25.	Coriandrum	- 32.
Brassica	-	-	9, 17.	Cornus	- 15, 34.
Briza	-	-	17, 19.	Coronopus	- 13.
Bronius	-	22, 23, 27, 31.		Corylus	- 6.
Bryonia	-	-	23.	Cotyledon	- 18.
Bunias	-	-	28.	Cranbe	- 15.
Bunium	-	-	11, 15.	Cratægus	- 11, 15.
Butomus	-	-	22.	Crepis	- 21, 23.
Buxus	-	-	8.	Crocus	- 5, 34.
		C		Cucubalus	- 19, 22.
Cakile	-	-	28.	Cynoglossum	- 17.
Calendula	-	-	20.	Cynosurus	- 18.
Callitriche	-	-	8, 31.	D	
Caltha	-	-	7.		
Calluna	-	-	31.	Dactylis	- 16.
Campanula	20, 24, 27, 28, 29.			Daphne	- 5, 6.
Cardamine	-	6, 8, 10.		Datura	- 25.
Carduus	-	19, 22, 26, 28.		Daucus	- 18.
Carex	10, 11, 13, 14, 15, 16, 20.			Delphinium	- 25.
Carlina	-	-	28.	Dentaria	- 8.
Carpinus	-	-	3.	Dianthus	- 21, 29.
Caucalis	-	20, 28, 32.		Digitalis	- 18.
Centaurea	12, 25, 26, 27, 28.			Dipsacus	- 29, 30, 32.
Cerastium	-	7, 9, 10, 11.		Doronicum	- 14.
Chærophyllum	-	9, 18.		Draba	- 6.
Chara	-	7, 9.		Drosera	- 29, 32.
Cheiranthus	-	-	7.	E	
Chelidonium	-	13, 27.			
Chenopodium	11, 21, 26, 28, 33.			Echium	- 8.
Chironia	-	27, 32, 33.		Elymus	- 21.
Chlora	-	-	25.	Epilobium	- 21, 22, 28, 29.
Chrysanthemum	-	19, 25.		Epinedium	- 9.
Chrysosplenium	-	-	7.	Epipactis	- 17, 29.
Cichorium	-	-	28.	Erica	- 10, 21, 22, 31.
Cicuta	-	-	25.	Erigeron	- 32.
Cineraria	-	-	32.	Eriophorum	- 9.
Circæa	-	22, 24, 27.		Erodium	- 10, 18.
Cistus	-	15, 18.		Ervum	- 24, 28.
Clinopodium	-	33.		Eryngium	- 25, 27.
				Erysimum	- 9, 13, 14.
				Euonymus	- 18.

INDEX.

	Page.		Page.
Eupatorium	26.	Hyoseris	23.
Euphorbia	9, 14, 23, 24.	Hypericum	23, 24, 25, 27, 30.
Euphrasia	22, 31.	Hypochæris	32.
F		I	
Fagus	10, 20.	Iberis	10, 12.
Festuca	16, 21, 22, 23, 24, 27.	Ilex	15.
Filago	23, 26.	Impatiens	25.
Fragaria	6, 9.	Imperatoria	21.
Fraxinus	12.	Inula	30, 31.
Fritillaria	8.	Iris	16, 29.
Fumaria	8, 10, 12, 13, 17.	Ixia	9.
G		J	
Galanthus	5.	Jasione	23.
Galeobdolon	12.	Juncus	7, 12, 16, 19, 20, 23, 28, 29.
Galeopsis	12, 22, 26, 28, 30, 31.	Juniperus	15.
Galium	8, 14, 18, 23, 24, 25.	L	
Genista	13, 21.	Lactuca	31.
Gentiana	10, 25, 27, 31, 32.	Lagurus	21.
Geranium	10, 12, 13, 15, 17, 18, 23, 24, 27.	Lamium	5, 7.
Geum	11, 15.	Lapsana	24.
Glaucium	27.	Lathyrus	14, 20, 22, 32.
Glaux	12.	Lavatera	30.
Glechoma	7.	Lemna	20.
Gnaphalium	12, 23, 24, 26, 28, 29, 33.	Leontodon	6, 16, 30, 33.
H		Leonurus	12, 27.
Hedera	34.	Leucojum	10.
Hedypnois	16, 30.	Ligusticum	26.
Hedysarum	22.	Ligustrum	24.
Helleborus	5, 8.	Linnæa	22.
Helonias	18.	Linum	24.
Heracleum	17.	Lithospermum	17, 19.
Herniaria	24, 31.	Lolium	15, 20, 21, 24.
Hesperis	18.	Lonicera	12, 15, 21.
Hieracium	14, 17, 21, 22, 33.	Lotus	13, 25.
Hippuris	10.	Lychnis	10, 16, 22.
Holcus	14, 16.	Lycopsis	19.
Holosteum	10.	Lycopus	29.
Hordeum	25, 26.	Lysimachia	14, 24, 27, 29.
Hottonia	15.	Lythrum	28.
Humulus	31.	M	
Hyascintus	11.	Malva	15, 20, 27.
Hydrocharis	24.	Marrubium	25.
Hydrocotyle	14, 17.	Matricaria	24, 29.
Hyoscyamus	21.	Medicago	22.
		Melampyrum	21.
		Melica	18, 28.

INDEX.

	Page.		Page.
<i>Meatha</i> -	23, 31, 32, 33.	<i>Polygonum</i>	16, 19, 22, 24, 25,
<i>Menyanthes</i> -	12.		26, 31, 32, 33.
<i>Menziesia</i> -	10.	<i>Populus</i> -	6, 7, 8.
<i>Mercurialis</i> -	7, 32.	<i>Potamogeton</i>	16, 17, 19, 22, 23.
<i>Mespilus</i> -	11, 17.	<i>Potentilla</i> -	12, 15, 23, 26.
<i>Meum</i> -	19.	<i>Prenanthes</i> -	22.
<i>Montia</i> -	7.	<i>Primula</i> -	5, 7, 8.
<i>Myagrwm</i> -	19.	<i>Prunella</i> -	23.
<i>Myosotis</i> -	12, 13, 14.	<i>Prunus</i> -	8, 9, 12.
<i>Myrica</i> -	8.	<i>Pulmonaria</i> -	6.
N		<i>Pyrethrum</i> -	24, 29.
<i>Narcissus</i> -	6, 9.	<i>Pyrola</i> -	26.
<i>Narthecium</i> -	26.	<i>Pyrus</i> -	9, 11, 12, 15.
<i>Neottia</i> -	33.	Q	
<i>Nepeta</i> -	30.	<i>Quercus</i> -	13.
<i>Nymphæa</i> -	18, 19.	R	
O		<i>Ranunculus</i>	6, 7, 9, 12, 13, 15,
<i>Œnanthe</i> -	17, 25.		18, 24.
<i>Oenothera</i> -	27.	<i>Raphanus</i> -	17.
<i>Ononis</i> -	26, 27, 28, 31.	<i>Reseda</i> -	18, 23.
<i>Ophrys</i> -	17, 33.	<i>Rhamnus</i> -	15, 17.
<i>Orchis</i> 10, 16, 17, 18, 19, 22, 28.		<i>Rhinanthus</i> -	16.
<i>Origanum</i> -	33.	<i>Rhodiola</i> -	15.
<i>Ornithogalum</i> -	8, 10, 21.	<i>Ribes</i> -	7, 8, 9.
<i>Ornithopus</i> -	13.	<i>Rosa</i> -	21, 22, 23.
<i>Orobanche</i> -	22.	<i>Rubus</i> -	13, 19, 20, 21.
<i>Orobus</i> -	18.	<i>Rumex</i> 12, 13, 15, 19, 20, 21.	
<i>Oxalis</i> -	6, 21.	<i>Ruppia</i> -	22.
P		<i>Ruscus</i> -	8.
<i>Papaver</i> -	14, 18, 19, 23.	S	
<i>Parietaria</i> -	15.	<i>Sagina</i> -	11, 13, 14.
<i>Paris</i> -	12.	<i>Salicornia</i> -	32.
<i>Parnassia</i> -	31.	<i>Salix</i> -	6, 9, 10, 11.
<i>Pedicularis</i> -	11.	<i>Salsola</i> -	28.
<i>Peplis</i> -	17.	<i>Salvia</i> -	20, 32.
<i>Phalaris</i> -	24, 29.	<i>Sambucus</i> -	20, 26.
<i>Phellandrium</i> -	27.	<i>Samolus</i> -	28.
<i>Phleum</i> -	23.	<i>Sanguisorba</i> -	17.
<i>Picris</i> -	31.	<i>Sanicula</i> -	16.
<i>Pimpinella</i> -	27, 29.	<i>Saponaria</i> -	33.
<i>Pinguicula</i> -	19.	<i>Saxifraga</i>	11, 12, 17, 20, 30.
<i>Plantago</i> -	9, 16, 19, 20, 25.		27, 29.
<i>Poa</i> 6, 14, 16, 18, 20, 22, 27, 30.		<i>Scabiosa</i> -	11, 15, 32.
<i>Polemonium</i> -	13.	<i>Scandix</i> -	20.
<i>Polygala</i> -	11.	<i>Schœnus</i> -	6, 7, 10, 11.
		<i>Scilla</i> -	

INDEX.

	Page.		Page.
Scirpus	13, 14, 15, 16, 17, 24.	Taxus	- - 7.
Scleranthus	- 13, 34.	Teucrium	- - 28, 32.
Scrophularia	- 8, 17, 24.	Thalictrum	- - 22, 24.
Scutellaria	- 23, 33.	Thlaspi	- 7, 8, 9, 13.
Sedum	20, 21, 23, 24, 26, 31.	Thymus	- - 16.
Selinum	- - 28.	Tilia	- - 26.
Sempervivum	- - 26.	Tofieldia	- - 18.
Senecio	- 5, 16, 23, 32, 33.	Tordylium	- - 20, 28.
Serapias	- - 29.	Tormentilla	- - 12.
Serratula	- 26, 29, 33.	Tragopogon	- - 17, 20.
Sherardia	- 12.	Trifolium	13, 15, 22, 23, 25.
Sibthorpia	- 26.	Triglochin	- 12, 17.
Silene	- 19, 20, 22, 24.	Triticum	- - 20.
Sinapis	- - 10.	Trollius	- - 10.
Sison	- - 17.	Tulipa	- - 7.
Sisymbrium	- 14, 20, 26.	Turritis	- - 10.
Sium	- 25, 27, 29.	Tussilago	- - 5, 8.
Solanum	- 18, 25.	Typha	- 24, 26.
Solidago	- - 32.		U
Sonchus	- 19, 21, 30.	Ulex	- - 5, 33.
Sorbus	- - 12.	Ulmus	- - 6, 7.
Sparganium	- - 26.	Urtica	- 13, 14, 33.
Spartium	- - 14.	Utricularia	- - 33.
Spergula	- 16, 20.		V
Spiræa	- 17, 22, 31.	Vaccinium	- 10, 14, 15.
Stachys	- 26, 27, 29, 32.	Valantia	- - 14.
Staphylea	- - 14.	Valeriana	- 9, 12, 13, 21, 27.
Statice	- 12, 29.	Verbascum	- 26, 29, 31.
Stellaria	- 6, 9, 14.	Verbena	- - 26.
Stipa	- - 20.	Veronica	6, 7, 9, 10, 11, 12, 14, 15, 18, 20, 24, 25.
Stratiotes	- - 29.	Viburnum	- - 17.
Swertia	- - 28.	Vicia	- 15, 18, 23, 27.
Symphytum	- - 15.	Vinca	- - 5, 8.
	T	Viola	- 5, 6, 7, 8, 11.
Tamus	- - 16.	Viscum	- - 8.
Tanacetum	- 30.		

THE END.

